

# INTERNATIONAL SEARCH REPORT

International Application No.  
PCT/EP2004/007323

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC 7    A01N43/08    A01N43/10    A01N43/40    A01N43/54    A01N43/56 A01N43/58    A01N43/60    A01N43/76    A01N43/78    C07D213/61 C07D401/12    C07D417/12    C07D405/12    C07D411/12    C07D409/12					
According to International Patent Classification (IPC) or to both national classification and IPC					
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) IPC 7    A01N    C07D					
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched					
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, PAJ, WPI Data, EMBASE, BIOSIS, CHEM ABS Data, BEILSTEIN Data					
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>					
Category *	Citation of document, with indication, where appropriate, of the relevant passages				Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 1996, no. 08, 30 August 1996 (1996-08-30) -& JP 08 092223 A (MITSUI TOATSU CHEM INC), 9 April 1996 (1996-04-09) cited in the application last paragraph in column 6 abstract; claims; table 1 -----				1-16
Y	WO 01/53259 A (WALTER HARALD ; SYNGENTA PARTICIPATIONS AG (CH); SCHNEIDER HERMANN (DE) 26 July 2001 (2001-07-26) cited in the application page 97 - page 100; claim 2; examples 1.41-1.56, 1.100-1.117, 1.161-1.178, 1.233-1. 254; table 1 ----- <div style="text-align: center;">-/-</div>				1-21
<div style="display: flex; justify-content: space-between;"> <span><input checked="" type="checkbox"/> Further documents are listed in the continuation of box C.</span> <span><input checked="" type="checkbox"/> Patent family members are listed in annex.</span> </div>					
* Special categories of cited documents :					
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>*A* document defining the general state of the art which is not considered to be of particular relevance</p> <p>*E* earlier document but published on or after the international filing date</p> <p>*L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>*O* document referring to an oral disclosure, use, exhibition or other means</p> <p>*P* document published prior to the international filing date but later than the priority date claimed</p> </div> <div style="width: 45%;"> <p>*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</p> <p>*&amp;* document member of the same patent family</p> </div> </div>					
Date of the actual completion of the international search  <div style="text-align: center;">12 November 2004</div>			Date of mailing of the international search report  <div style="text-align: center;">28. 02. 2005</div>		
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016			Authorized officer  <div style="text-align: center;">Härtinger, S</div>		

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 95/09846 A (DU PONT ; DENES LUCIAN RADU (US)) 13 April 1995 (1995-04-13) cited in the application	1-16
Y	page 30, line 23; example 48; table 1 page 17, line 22; claims 4,6-10	17-21
Y	WO 96/16954 A (AGREVO UK LTD ; RIORDAN PETER DOMINIC (GB); WEST PETER JOHN (GB); BODD) 6 June 1996 (1996-06-06) claim 1; examples 22,23,26,27,33,35,42	1-21
Y	EP 0 545 099 A (BASF AG) 9 June 1993 (1993-06-09) cited in the application page 4, line 1 - line 16; claim 1 page 2, line 1 - line 27 page 52	1-21
Y	WO 93/11117 A (MONSANTO CO) 10 June 1993 (1993-06-10) cited in the application claim 1	1-16

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## Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:  
  
Although claims 13 and 14 have been drafted such that they may also embrace a method of treatment of the human or animal body, the search has been carried out and based on the alleged anti-microbiological effects of the compound.
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:  
  
1-15 (part)

### Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

## FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

## 1. claims: 1-15

A is a 5-membered heteroaromatic ring with 2 heteroatoms in 1,2 position  
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## 2. claims: 1-15

A is a 5-membered heteroaromatic ring with 2 heteroatoms in 1,3 position  
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## 3. claims: 1-15

A is a 5-membered heteroaromatic ring with 1 heteroatom  
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## 4. claims: 1-15

A is a benzene ring  
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## 5. claims: 1-15

A is a 6-membered heteroaromatic ring with 1 heteroatom  
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## 6. claims: 1-15

A is a 6-membered heteroaromatic ring with 2 heteroatoms  
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## 7. claims: 1-15

A is a 6-membered partially unsaturated heterocyclic ring  
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## 8. claims: 1-15

A is a 5-membered partially unsaturated heterocyclic ring  
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## 9. claims: 16-21

intermediates of the general formula III  
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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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Information on patent family members

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